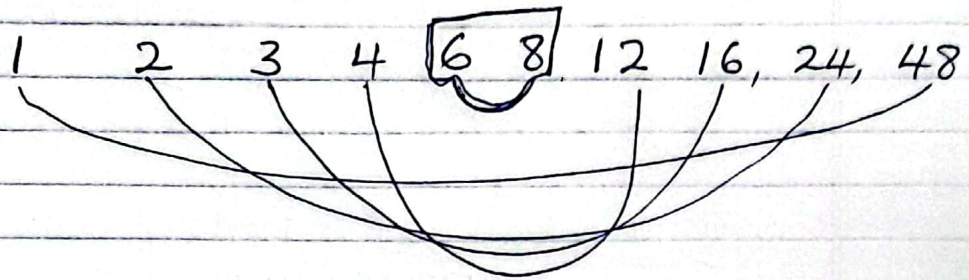
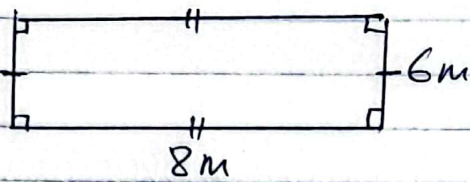


Factors of 48



Correlation of boundaries of area 48m^2 starts from the 2 digits for the median.

Sketch



$$\begin{aligned}\text{Area} &= L \times W \\ &= 8\text{m} \times 6\text{m} \\ &= 48\text{m}^2\end{aligned}$$

$$\begin{aligned}\text{perimeter} &= 2(L + W) \\ &= 2(8\text{m} + 6\text{m}) \\ &= 2 \times 14\text{m} \\ &= 28\text{m}\end{aligned}$$

$$\begin{aligned}\frac{\text{perimeter}}{\text{length}} &= \frac{28\text{m} \div 4}{8\text{m} \div 4} \\ &= \frac{7}{2}\end{aligned}$$

As a ratio: 7:2

\therefore length = 8m and width = 6m.

OR. Work out the area of each pair of factors of 48 and then compare the length and perimeter.